

**PATENT APPLICATION DECLARATION AND POWER OF ATTORNEY****I HEREBY DECLARE THAT:**

My residence, post office address, and citizenship are as stated next to my name in PART A on page 2 hereof.

I believe I am the original, first, and sole inventor (if only one name is listed) or an original, first, and joint inventor (if plural names are listed) of the subject matter which is claimed and for which a patent is sought on the invention entitled PRODUCTION OF FUCOSYLATED CARBOHYDRATES BY ENZYMATIC FUCOSYLATION SYNTHESIS OF SUGAR NUCLEOTIDES; AND IN SITU REGENERATION OF GDP-FUCOSE the specification of which:

- ☐ is attached hereto  
☒ was filed on October 14, 1992 as Application Serial No. 07/961,076  
 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to herein.

I acknowledge the duty to disclose all information to the Patent and Trademark Office known to me to be material to patentability of this application, as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119 of any foreign application(s) for patent or inventor's certificate listed in PART B on page 2 hereof and have also identified in PART B on page 2 hereof any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

I hereby claim the benefit under Title 35, United States Code, Sec. 120 of any United States application(s) listed in PART C on page 2 hereof and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112, I acknowledge the duty to disclose all information to the Patent and Trademark Office known to me to be material to patentability of this application, as defined in Title 37, Code of Federal Regulations, Sec. 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application.

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following as my attorneys or agents with full power of substitution to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

Max Dressler	Reg. No. 14,123	Richard J. Botos	Reg. No. 32,016	Talivaldis Cepuritis	Reg. No. 20,818
Ernest Cheslow	Reg. No. 17,019	Ronald L. Engel	Reg. No. 20,655	Karl R. Fink	Reg. No. 34,161
Edward P. Gamson	Reg. No. 29,381	Stephen D. Geimer	Reg. No. 28,846	John W. Harbst	Reg. No. 28,018
Allen J. Hoover	Reg. No. 24,103	Martin L. Katz	Reg. No. 25,011	Gerson E. Meyers	Reg. No. 21,160
John P. Milnamow	Reg. No. 20,635	Paul M. Odell	Reg. No. 28,332	Jack Shore	Reg. No. 17,551
Joel E. Siegel	Reg. No. 25,440	Marshall W. Sutker	Reg. No. 19,962	Paul M. Vargo	Reg. No. 29,116
Lois P. Besanko	Reg. No. 27,855				

whose mailing address for this application is: DRESSLER, GOLDSMITH, SHORE, SUTKER & MILNAMOW, LTD.  
 Two Prudential Plaza  
 180 North Stetson Avenue  
 Suite 4700  
 Chicago, Illinois 60601  
 Telephone: (312) 616-5400

See Page 2 attached, signed, and made a part hereof.

## PATENT APPLICATION DECLARATION AND POWER OF ATTORNEY

## PART A: Inventor Information And Signature

Full name of SOLE or FIRST inventor Chi-Huey Wong  
 Citizenship U.S.A. Residence 6399 Calle Del Alcazar  
Rancho Santa Fe, California 92122 92067

Post Office Address (If different) P.O. Box 8154 Rancho Santa Fe CA 92067

Inventor's signature: X Chi Hg Wong Date: X Nov 24, 1992

Full name of SECOND joint inventor, if any Yoshitaka Ichikawa  
 Citizenship Japan Residence 7150 Shoreline Drive  
San Diego, California 92122

Post Office Address (If different) \_\_\_\_\_

Second Inventor's signature: X Yoshitaka Ichikawa Date: X 11/24/92

Full name of THIRD joint inventor, if any Gwo-Jenn Shen  
 Citizenship U.S.A. Residence 3340 Fosca Street  
Carlsbad, California 92009

Post Office Address (If different) \_\_\_\_\_

Third Inventor's signature: X Gwo-Jenn Shen Date: X 11/24/92

Full name of FOURTH joint inventor, if any Kun-Chin Liu  
 Citizenship U.S.A. Residence 605B Prospect Street  
New Haven, Connecticut 06511

Post Office Address (If different) \_\_\_\_\_

Fourth Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of FIFTH joint inventor, if any \_\_\_\_\_  
 Citizenship \_\_\_\_\_ Residence \_\_\_\_\_

Post Office Address (If different) \_\_\_\_\_

Fifth Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

## PART B: Prior Foreign Application(s)

Serial No.	Country	Day/Month/Year Filed	Priority Claimed
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

## PART C: Claim For Benefit Of Filing Date Of Earlier U.S. Application(s)

Serial No.	Filing Date	Status:
07/910,612	July 8, 1992	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/901,260	June 19, 1992	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/777,662	October 15, 1991	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned

See Page 1 to which this is attached and from which this Page 2 continues.

# Assignment

TSRI 267.3

Serial No. 07/961,076Filed October 14, 1992

In Consideration of One Dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in  
PRODUCTION OF FUCOSYLATED CARBOHYDRATES BY ENZYMATIC FUCOSYLATION SYNTHESIS OF SUGAR NUCLEOTIDES; AND IN SITU REGENERATION OF GDP-FUCOSE

and in the application for Letters Patent of the United States therefor, executed by the undersigned concurrently herewith \_\_\_\_\_, and in any reissue or extension of any Letters Patent that may be granted upon said application are hereby assigned by the undersigned to The Scripps Research Institute, a California corporation and the heirs, successors, legal representatives and assigns of The Scripps Research Institute (hereinafter collectively called said Assignee), and the Commissioner of Patents and Trademarks is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

For said considerations it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said application or required for the filing or prosecution of any divisional or continuing application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for the said considerations it is further agreed by the undersigned, upon the request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, upon such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in the said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made. And for the said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other Conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The undersigned also further agrees, for the said considerations, upon the request of said Assignee, to promptly perform all lawful acts deemed by said Assignee to be necessary or advisable in connection with maintaining, enforcing, or transferring the resulting grants of said Letters Patent in the United States or foreign countries. It is agreed that such lawful acts include, but are not limited to, taking oaths, executing declarations, powers, assignments and other papers and giving testimony. The attorneys of record in said application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and serial number thereof in the places provided therefor.

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RECORDED  
PATENT AND TRADEMARK  
OFFICE

APR 19 1993

CW Chi Huey Wong (Seal)YI Yoshitaka Ichikawa (Seal)GJS Gwo-Jenn Shen (Seal)

(Seal)

(Seal)

(Seal)

State of California )  
County of SAN DIEGO ) ss.

On November 24, 1992  
Gwo-Jenn Shen

Chi-Huey Wong, Yoshitaka Ichikawa and

me, a Notary Public in and for the State and County aforesaid, and acknowledged that they freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.

(SEAL)



Joanne M. Marshall  
Notary Public

My Commission Expires: FEB. 26, 1993

# Assignment

TSRI 267.3

Serial No. 07/961,076

Filed October 14, 1992

In Consideration of One Dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in  
PRODUCTION OF FUCOSYLATED CARBOHYDRATES BY ENZYMATIC FUCOSYLATION SYNTHESIS OF  
SUGAR NUCLEOTIDES; AND IN SITU REGENERATION OF GDP-FUCOSE

and in the application for Letters Patent of the United States therefor, executed by the undersigned concurrently herewith \_\_\_\_\_, and in any reissue or extension of any Letters Patent that may be granted upon said application are hereby assigned by the undersigned to The Scripps Research Institute, a  
California corporation and the heirs, successors, legal representatives and assigns of The Scripps Research Institute (hereinafter collectively called said Assignee), and the Commissioner of Patents and Trademarks is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

For said considerations it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said application or required for the filing or prosecution of any divisional or continuing application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for the said considerations it is further agreed by the undersigned, upon the request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, upon such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in the said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made. And for the said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other Conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The undersigned also further agrees, for the said considerations, upon the request of said Assignee, to promptly perform all lawful acts deemed by said Assignee to be necessary or advisable in connection with maintaining, enforcing, or transferring the resulting grants of said Letters Patent in the United States or foreign countries. It is agreed that such lawful acts include, but are not limited to, taking oaths, executing declarations, powers, assignments and other papers and giving testimony. The attorneys of record in said application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and serial number thereof in the places provided therefor.

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APR 19 1993

State of Connecticut )  
County of New Haven ) ss.

\_\_\_\_\_(Seal)  
\_\_\_\_\_(Seal)  
\_\_\_\_\_(Seal)  
Kun-Chin Liu (Seal)  
\_\_\_\_\_(Seal)  
\_\_\_\_\_(Seal)

On October 28, 1992 Kun-Chin Liu

me, a Notary Public in and for the State and County aforesaid, and acknowledged that he freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.

(SEAL)

Wendy J. Mena  
Notary Public

My Commission Expires: \_\_\_\_\_

MY COMMISSION EXPIRES 1-31-97.